CLAIMS

What is claimed is:

1	1.	A superabsorbent composition comprising:
2		an underneutralized superabsorbent polymer in which at least 30% of the functional
3		groups of the polymer are in free acid form; and
4		a layered double hydroxide anionic clay.
1	2.	The composition of claim 1 wherein the underneutralized superabsorbent polymer has
2		a pH ranging from about 4.5 to about 6.0.
다 4 1 1 1	3.	The composition of claim 1 wherein less than about 70 % of the functional groups of
(T) 2		the underneutralized superabsorbent polymer are sodium neutralized and at least 30 %
型 2 型 3 型 3		of the functional groups of the underneutralized superabsorbent polymer are in free
		acid form.
	4.	The composition of claim 1 wherein less than about 50 % of the functional groups of
□ □ 2		the underneutralized superabsorbent polymer are sodium neutralized and at least 50 %
3		of the functional groups of the underneutralized superabsorbent polymer are in free
4		acid form.
1	5.	The composition of claim 1 wherein about 40% of the functional groups of the
2		underneutralized superabsorbent polymer are sodium neutralized and at least 60 % of
3		the functional groups are in free acid form.
1	6.	The composition of claim 1 wherein the layered double hydroxide anionic clay is
2		hydrotalcite

1	7.	The composition of claim 6 wherein the hydrotalcite is rehydrated.
2	8.	The composition of claim 1 wherein the underneutralized superabsorbent polymer and
3		the layered double hydroxide anionic clay are present in a ratio ranging from about 1:1
4		to about 1:20.
1	9.	The composition of claim 1 wherein the underneutralized superabsorbent polymer and
2		the layered double hydroxide anionic clay are present in a ratio ranging from about 1:1
3		to about 1:10.
<u> </u>	10.	An absorbent article comprising:
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₩ ₩3 mi		a liquid impervious backsheet joined to said topsheet;
N ₄		an absorbent core positioned between said topsheet and said backsheet;
		said absorbent core including fluff pulp and a superabsorbent composition;
H5 H0 H0 D7		said superabsorbent composition comprising an underneutralized superabsorbent
□ □7		polymer and a layered double hydroxide anionic clay
8		wherein at least 30% of the functional groups of the underneutralized superabsorbent
9		polymer are in free acid form.
1	11.	The absorbent article of claim 10 wherein the superabsorbent composition is present
2		in an amount ranging from about 0.2 gram to about 0.8 grams per gram of fluff pulp in
3		the absorbent core.
1	12.	The absorbent article of claim 10 wherein the superabsorbent composition is present
2		in an amount ranging from about 3 gram to about 10 grams per gram of fibrous
3		material in the absorbent core.

1 13. The absorbent article of claim 10 wherein the underneutralized superabsorbent 2 polymer has a pH ranging from about 4.5 to about 6.0. The absorbent article of claim 10 wherein less than about 70 % of the functional 1 14. groups of the underneutralized superabsorbent polymer are sodium neutralized and at 2 least 30 % of the functional groups of the underneutralized superabsorbent polymer 3 4 are in free acid form. The absorbent article of claim 10 wherein less than about 50 % of the functional 1 15. groups of the underneutralized superabsorbent polymer are sodium neutralized and at least 50 % of the functional groups of the underneutralized superabsorbent polymer are in free acid form. The absorbent article of claim 10 wherein about 40% of the functional groups of the 16. underneutralized superabsorbent polymer are sodium neutralized and at least 60 % of the functional groups are in free acid form. The absorbent article of claim 10 wherein the layered double hydroxide anionic clay is 1 17. 2 hydrotalcite. 1 18. The absorbent article of claim 17 wherein the hydrotalcite is rehydrated. 1 The absorbent article of claim 10 wherein the underneutralized superabsorbent 19. 2 polymer and the layered double hydroxide anionic clay are present in a ratio ranging 3 from about 1:1 to about 1:20.

- 1 20. The absorbent article of claim 10 wherein the underneutralized superabsorbent
- 2 polymer and the layered double hydroxide anionic clay are present in a ratio ranging
- 3 from about 1:1 to about 1:10.